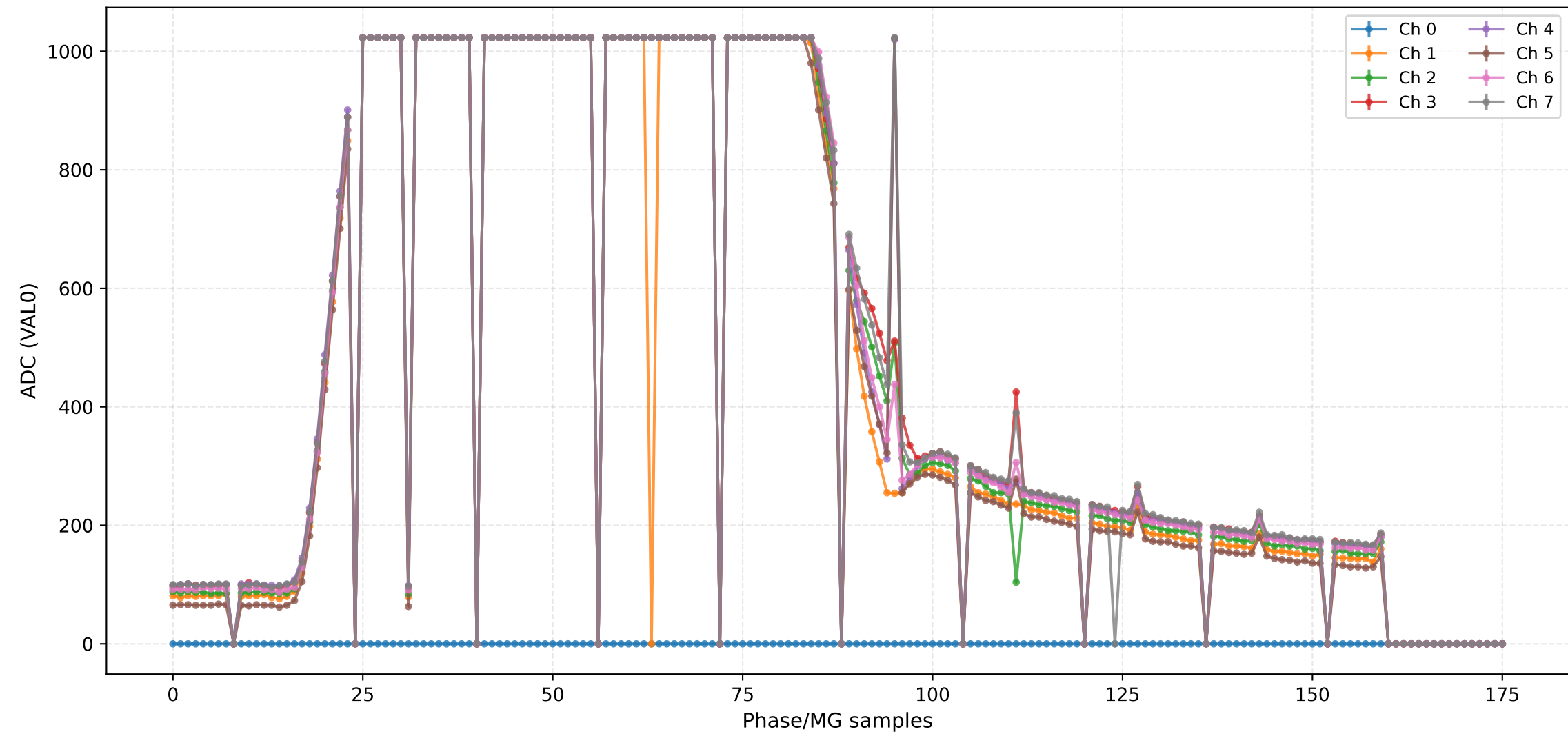


## ADC (VAL0) - Channels 0 to 7



### ADC (VAL0) - Channels 8 to 15



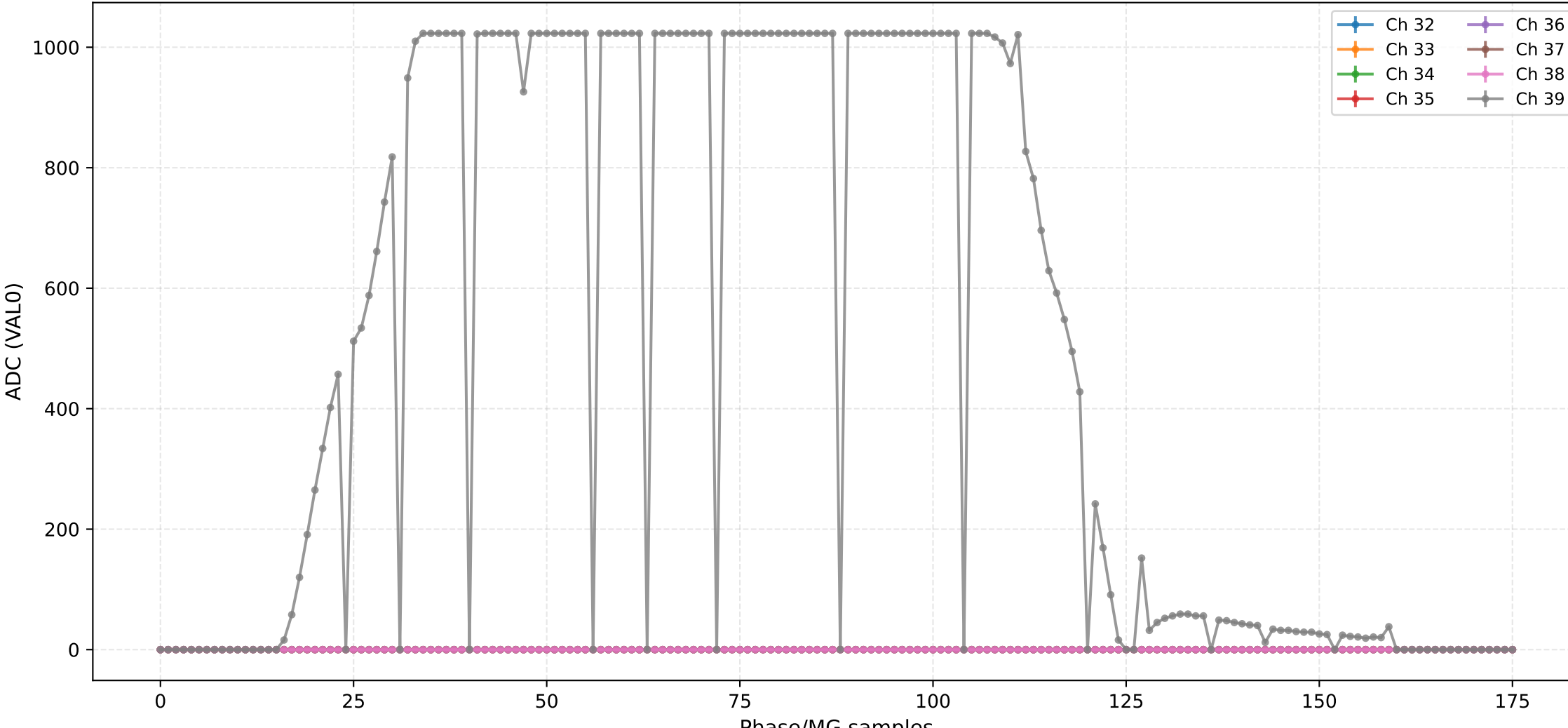
### ADC (VAL0) - Channels 16 to 23



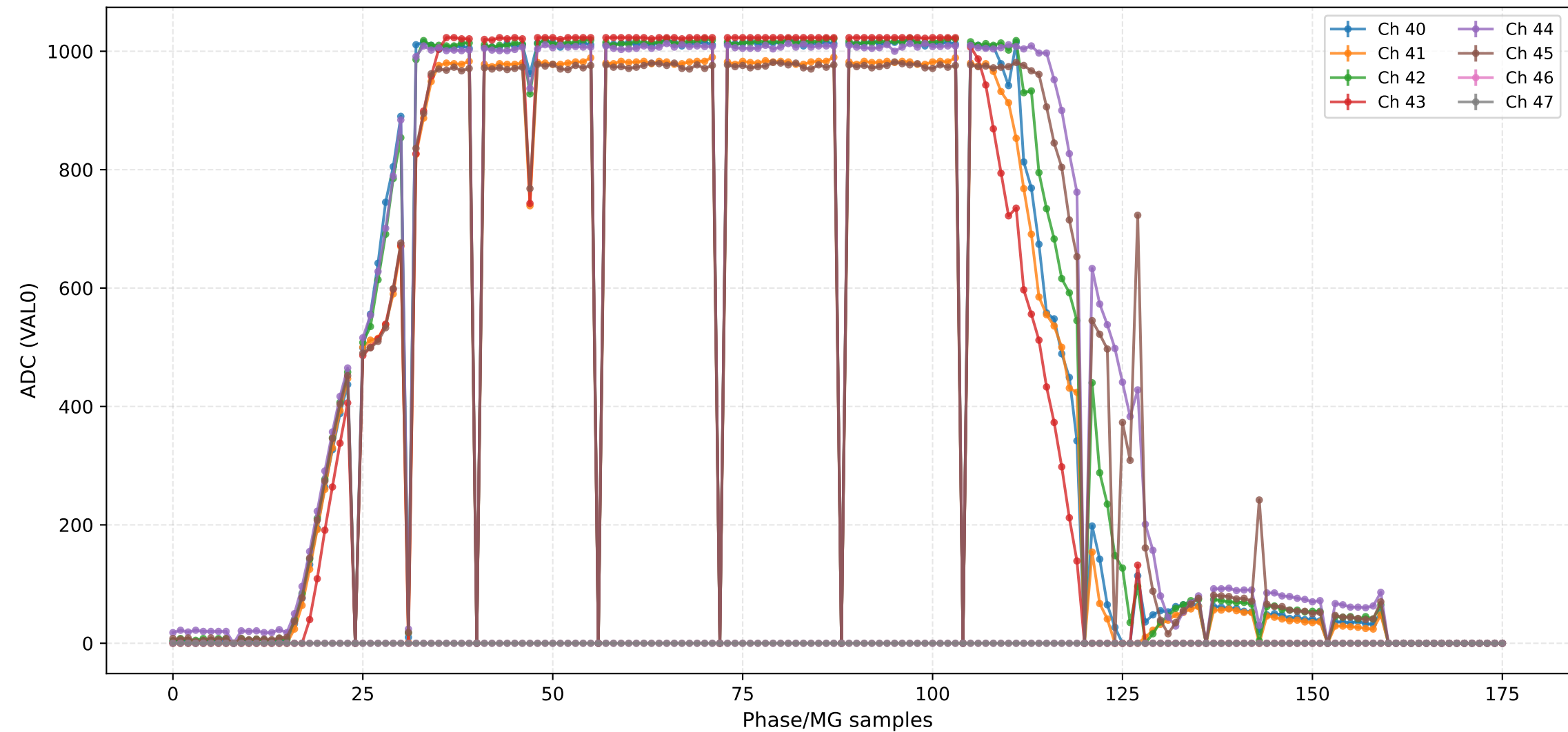
### ADC (VAL0) - Channels 24 to 31



## ADC (VAL0) - Channels 32 to 39



## ADC (VAL0) - Channels 40 to 47



## ADC (VAL0) - Channels 48 to 55



## ADC (VAL0) - Channels 56 to 63

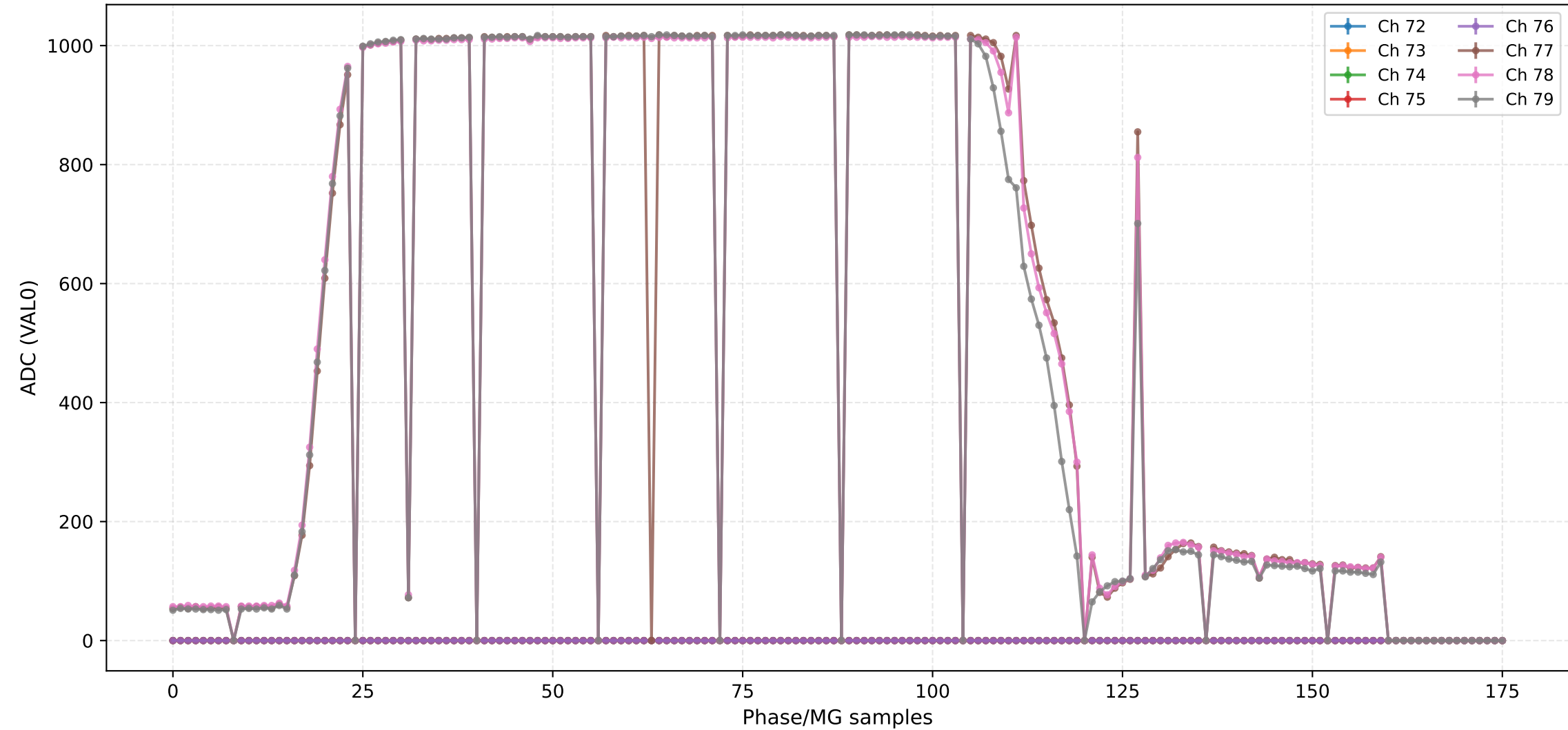




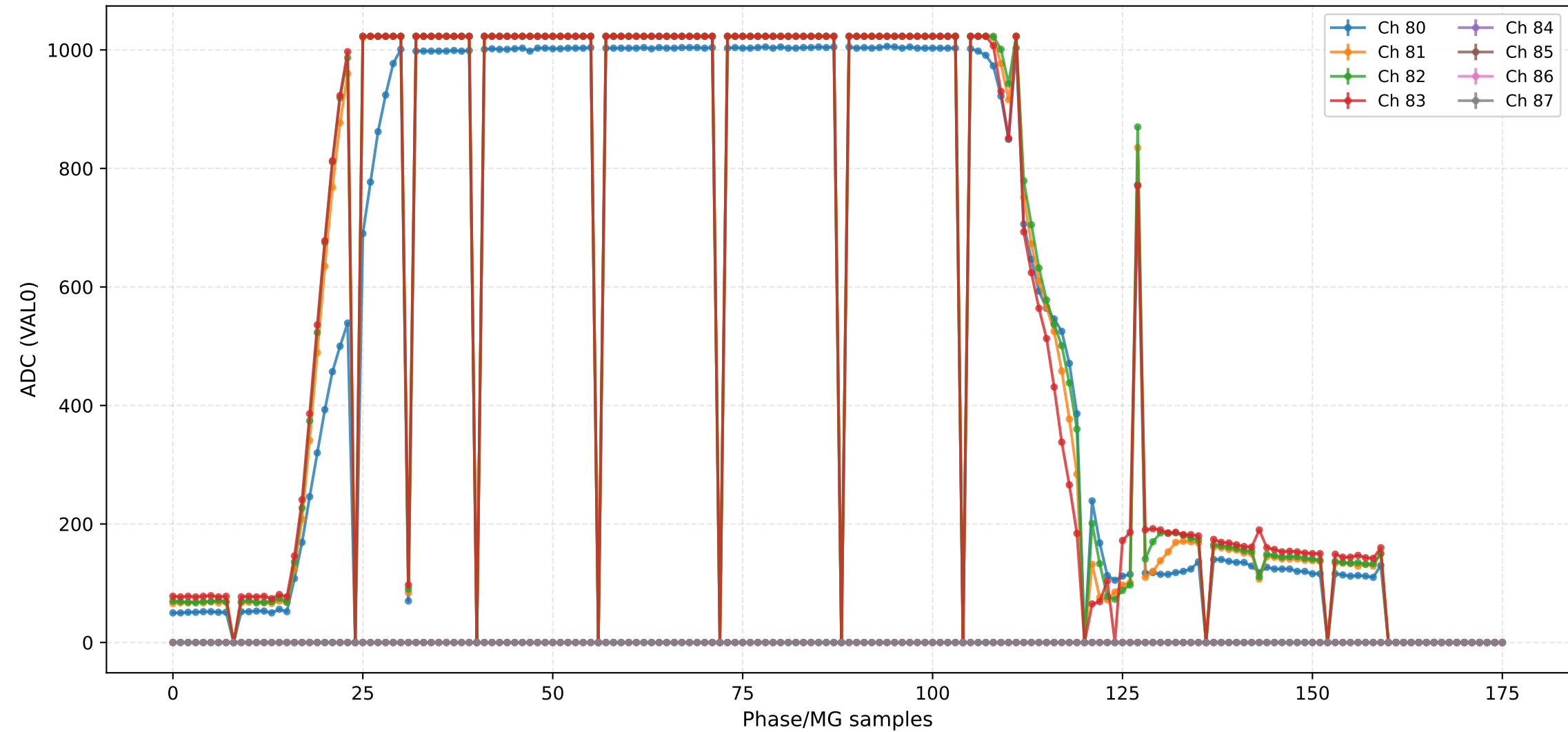
### ADC (VAL0) - Channels 64 to 71



## ADC (VAL0) - Channels 72 to 79



## ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



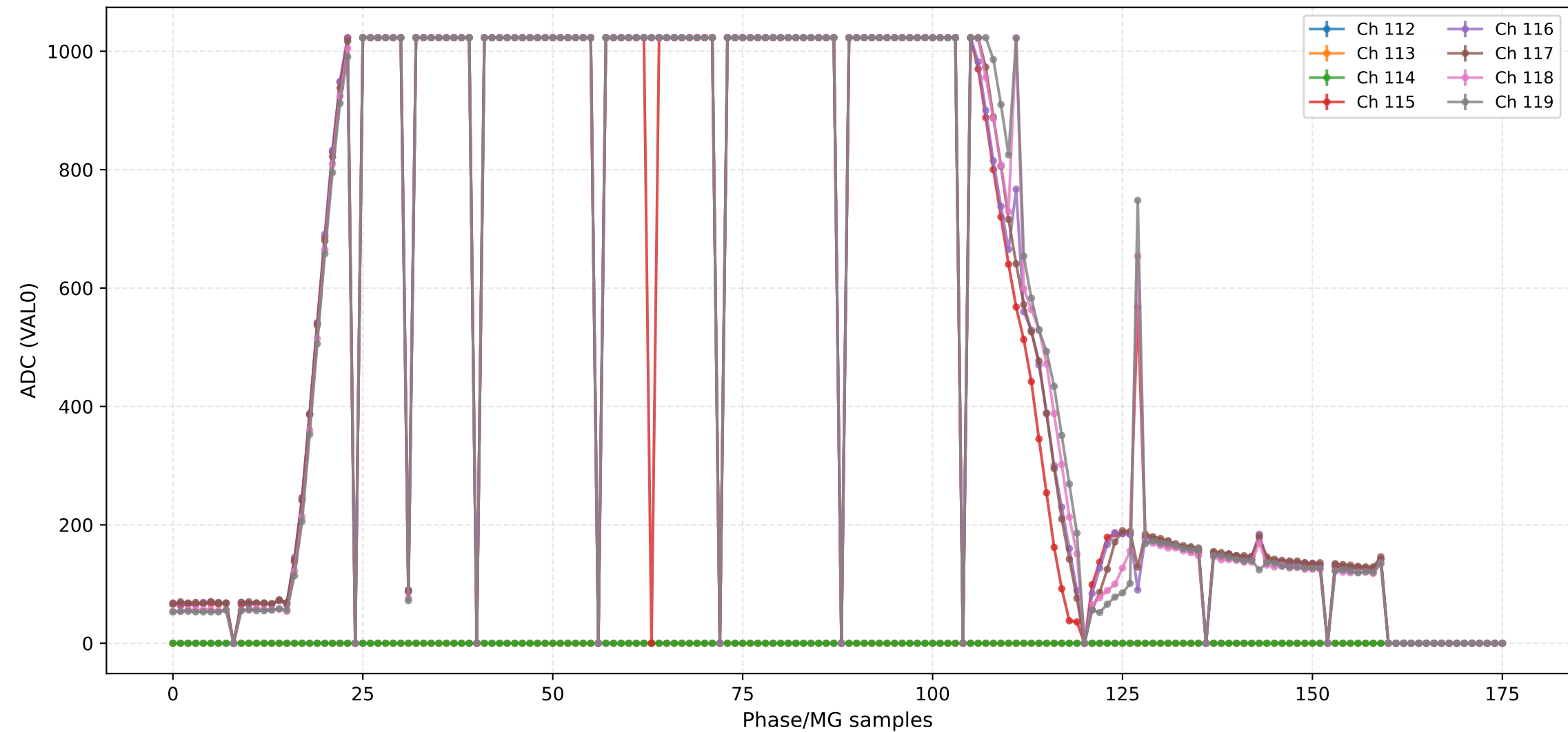
### ADC (VAL0) - Channels 96 to 103



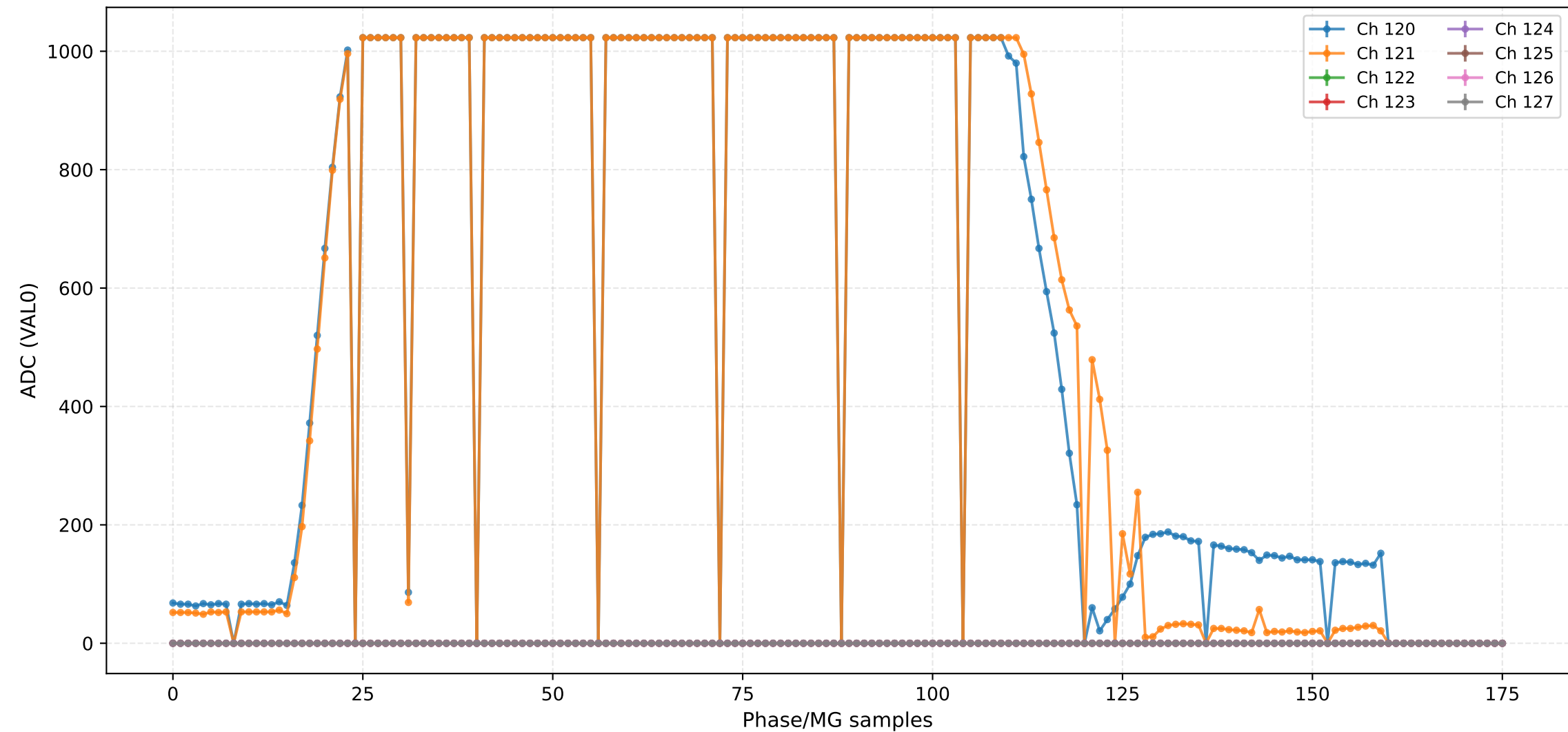
## ADC (VAL0) - Channels 104 to 111



ADC (VAL0) - Channels 112 to 119



## ADC (VAL0) - Channels 120 to 127





### ADC (VAL0) - Channels 128 to 135



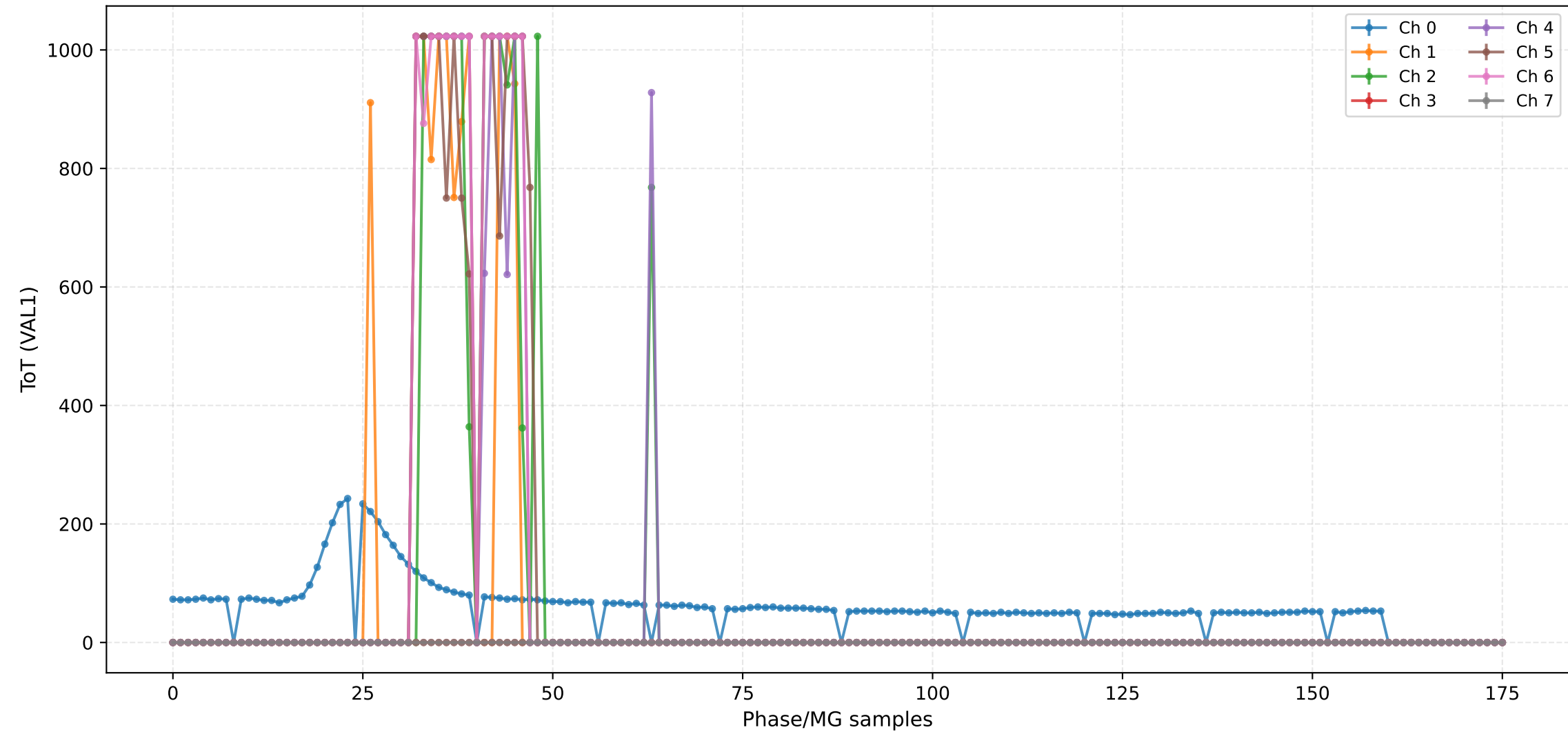
### ADC (VAL0) - Channels 136 to 143



## ADC (VAL0) - Channels 144 to 151



## ToT (VAL1) - Channels 0 to 7



## ToT (VAL1) - Channels 8 to 15



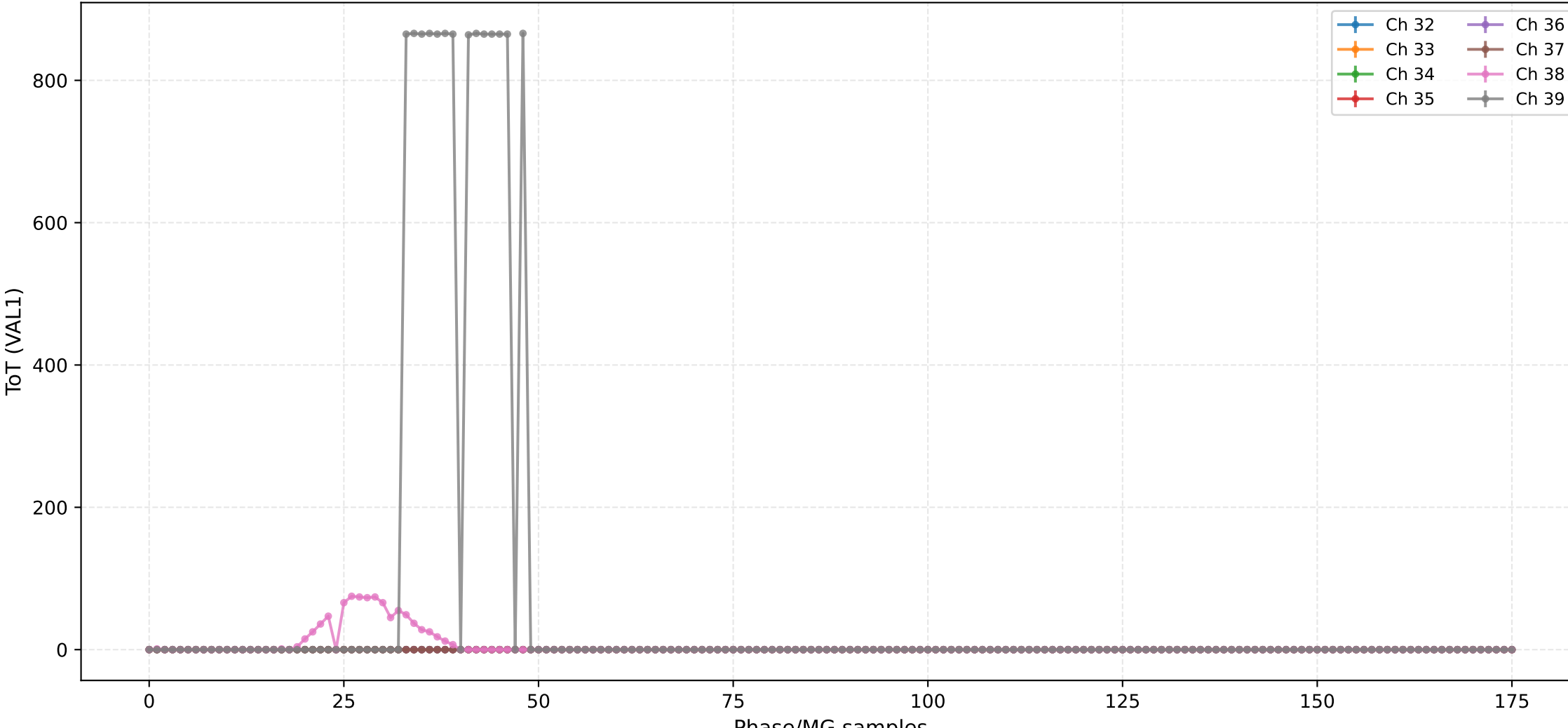
## ToT (VAL1) - Channels 16 to 23



### ToT (VAL1) - Channels 24 to 31

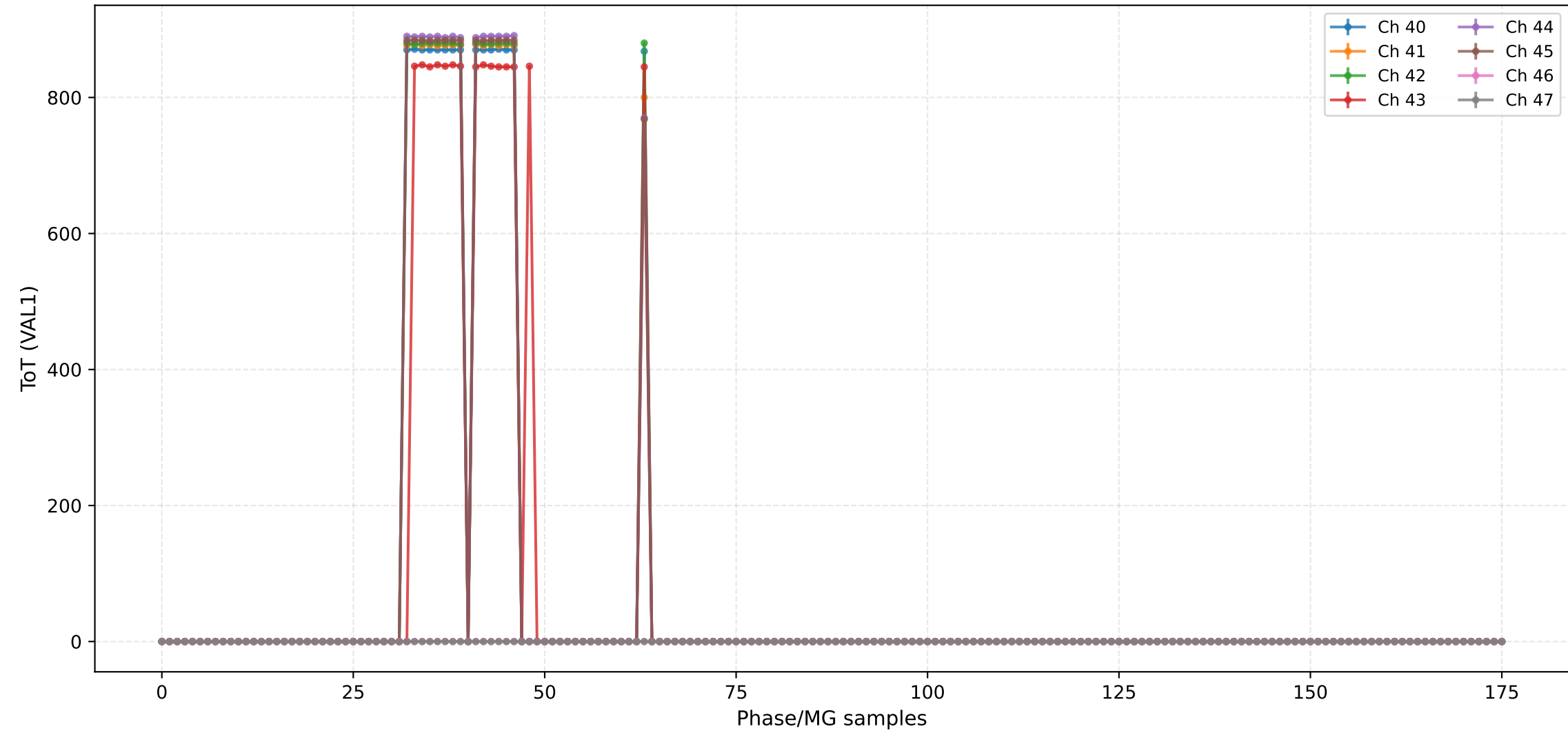


## ToT (VAL1) - Channels 32 to 39





ToT (VAL1) - Channels 40 to 47



ToT (VAL1) - Channels 48 to 55



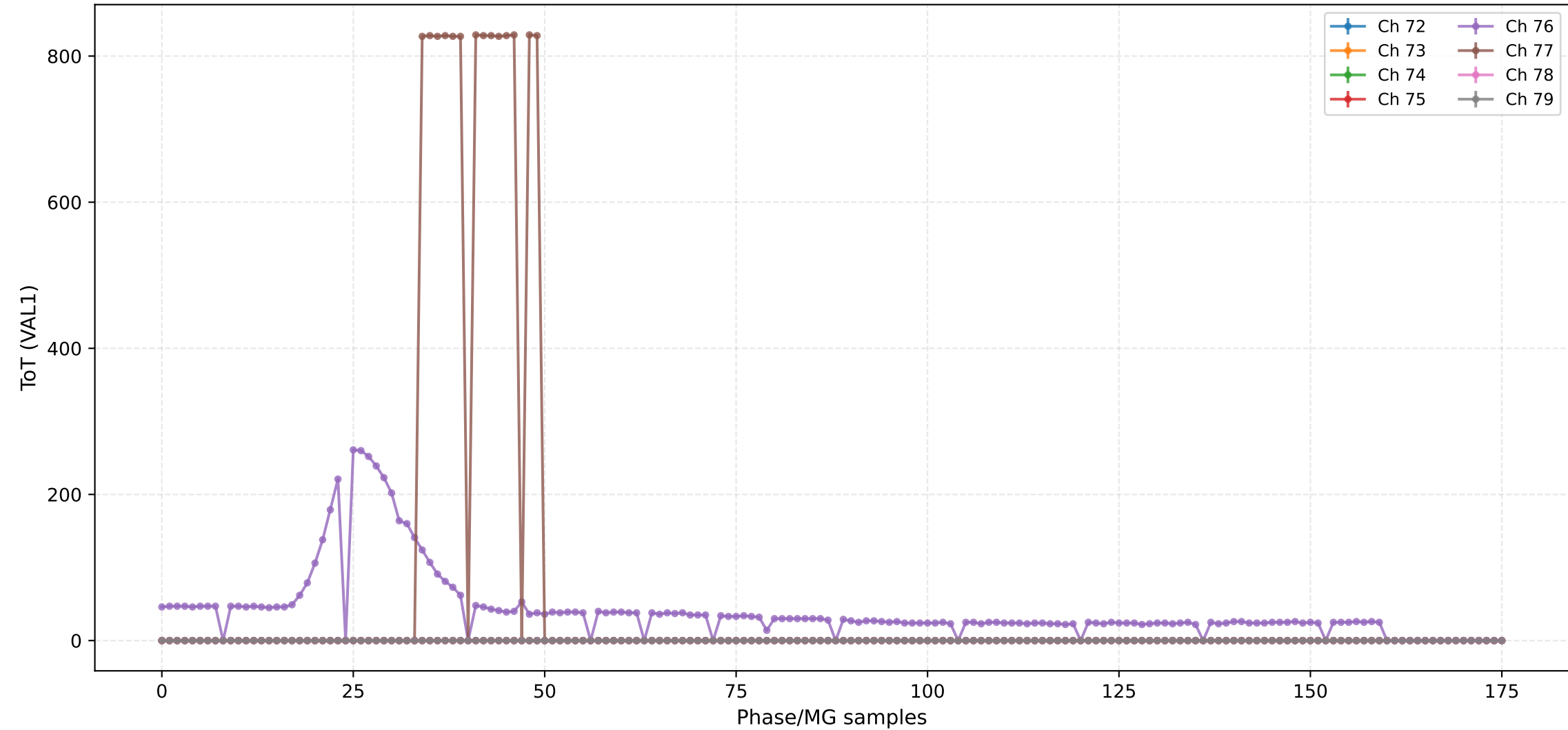
### ToT (VAL1) - Channels 56 to 63



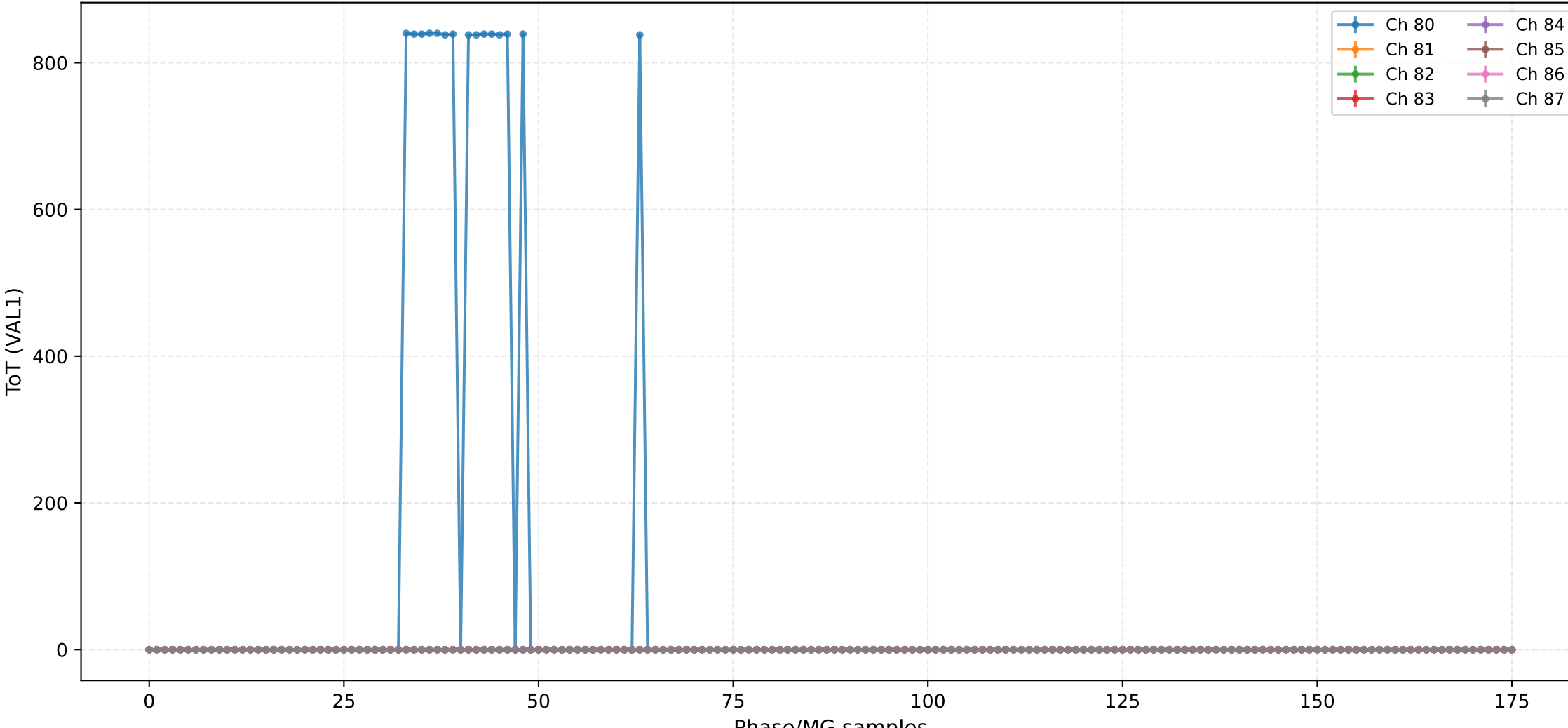
## ToT (VAL1) - Channels 64 to 71



## ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



## ToT (VAL1) - Channels 88 to 95



## ToT (VAL1) - Channels 96 to 103

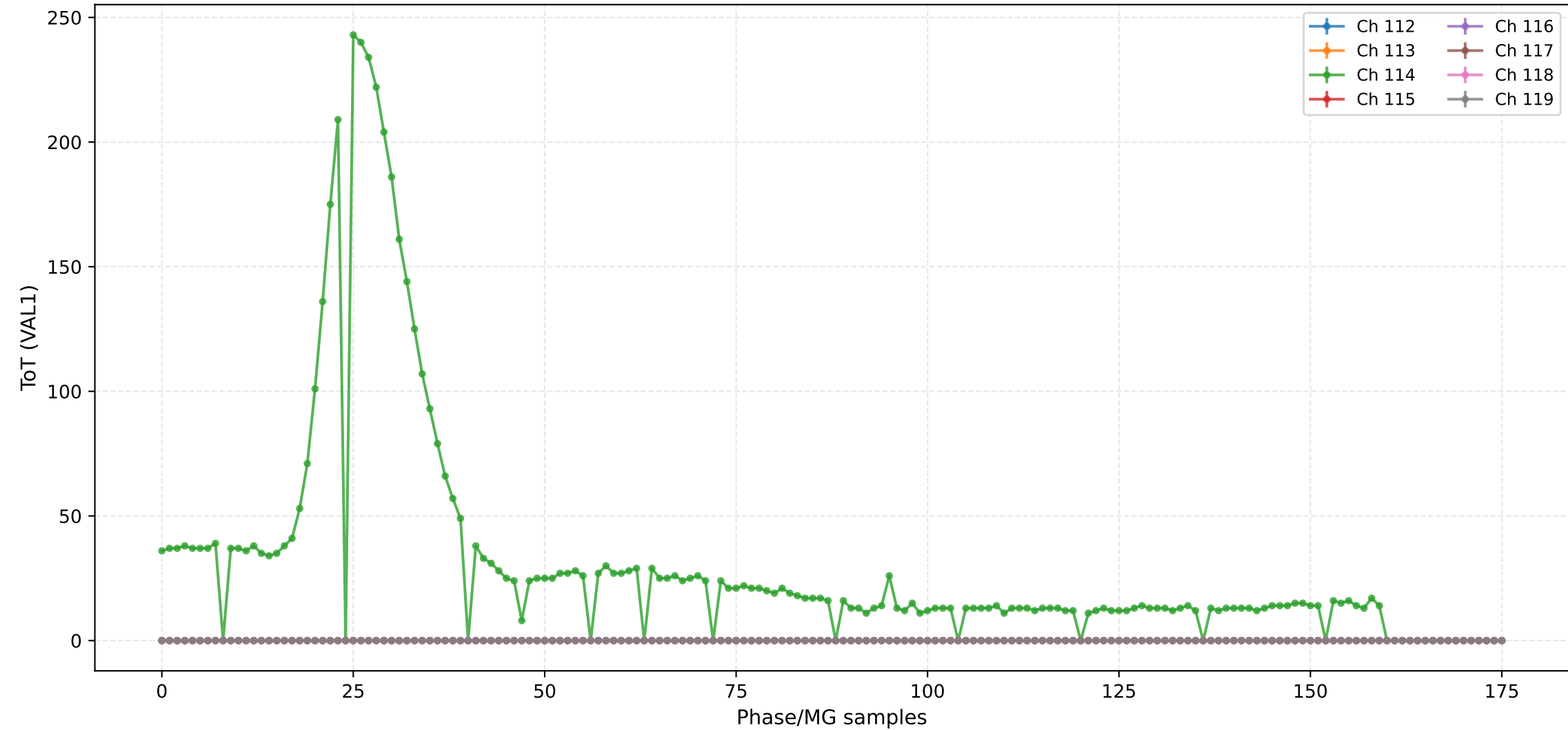




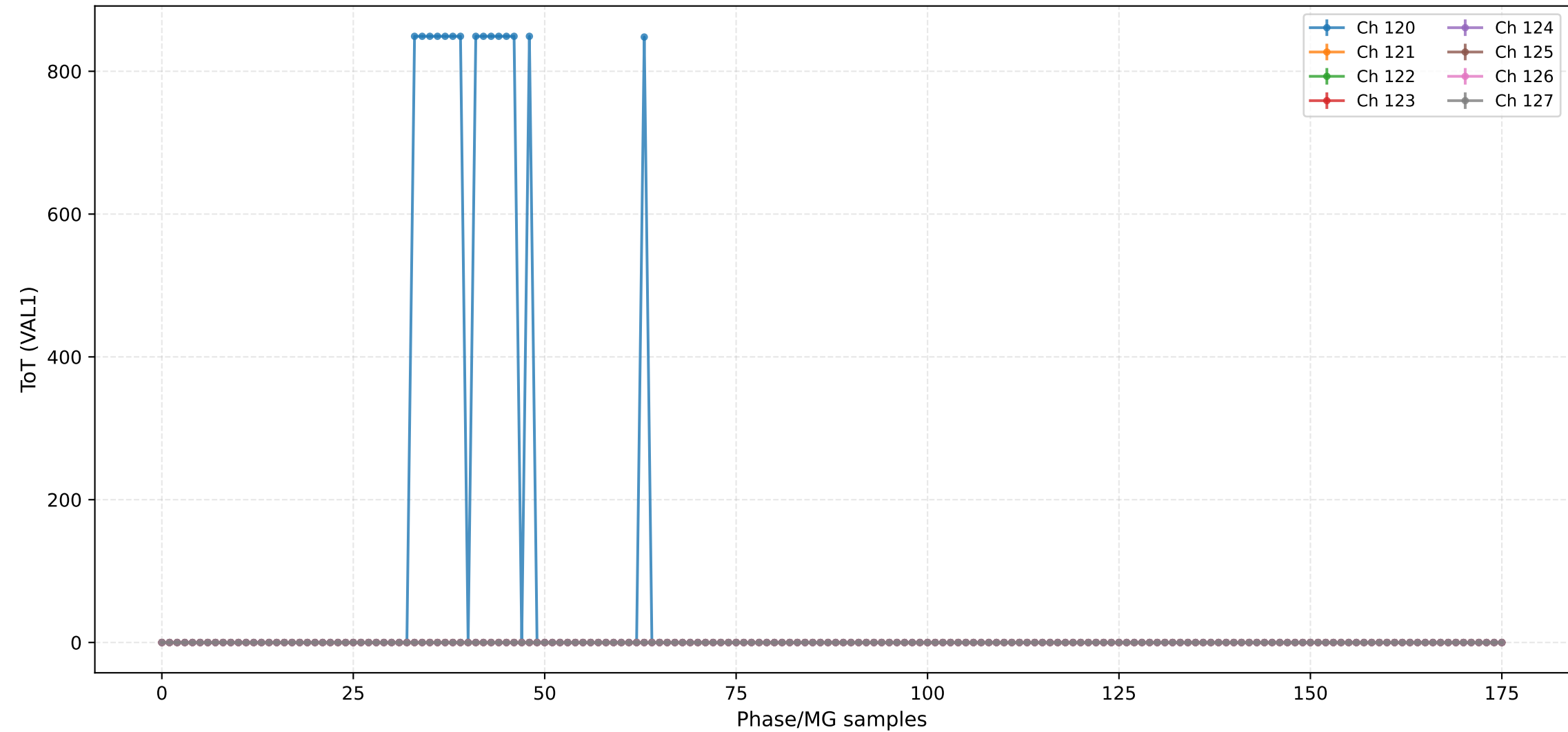
ToT (VAL1) - Channels 104 to 111



### ToT (VAL1) - Channels 112 to 119



ToT (VAL1) - Channels 120 to 127



ToT (VAL1) - Channels 128 to 135



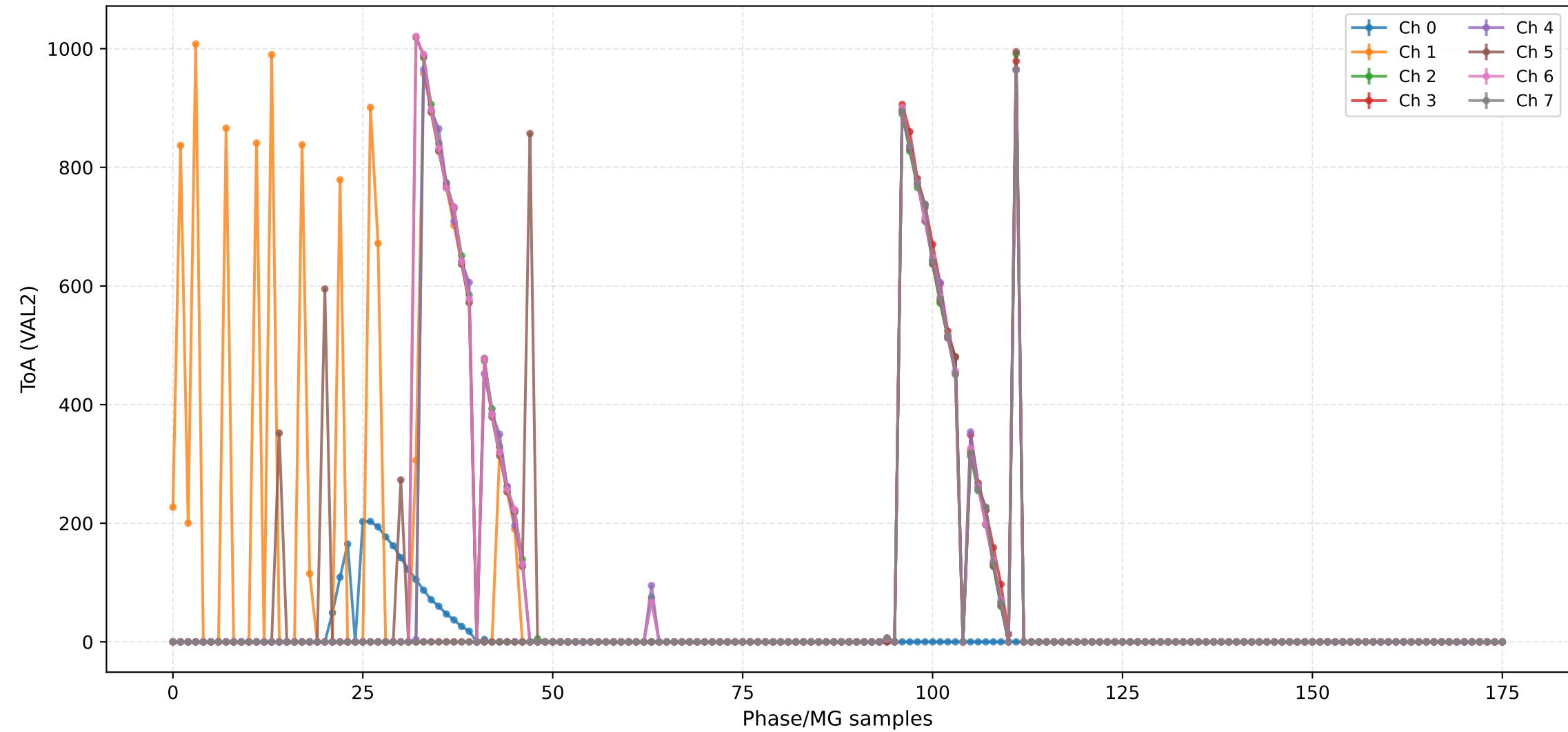
## ToT (VAL1) - Channels 136 to 143



ToT (VAL1) - Channels 144 to 151



## ToA (VAL2) - Channels 0 to 7







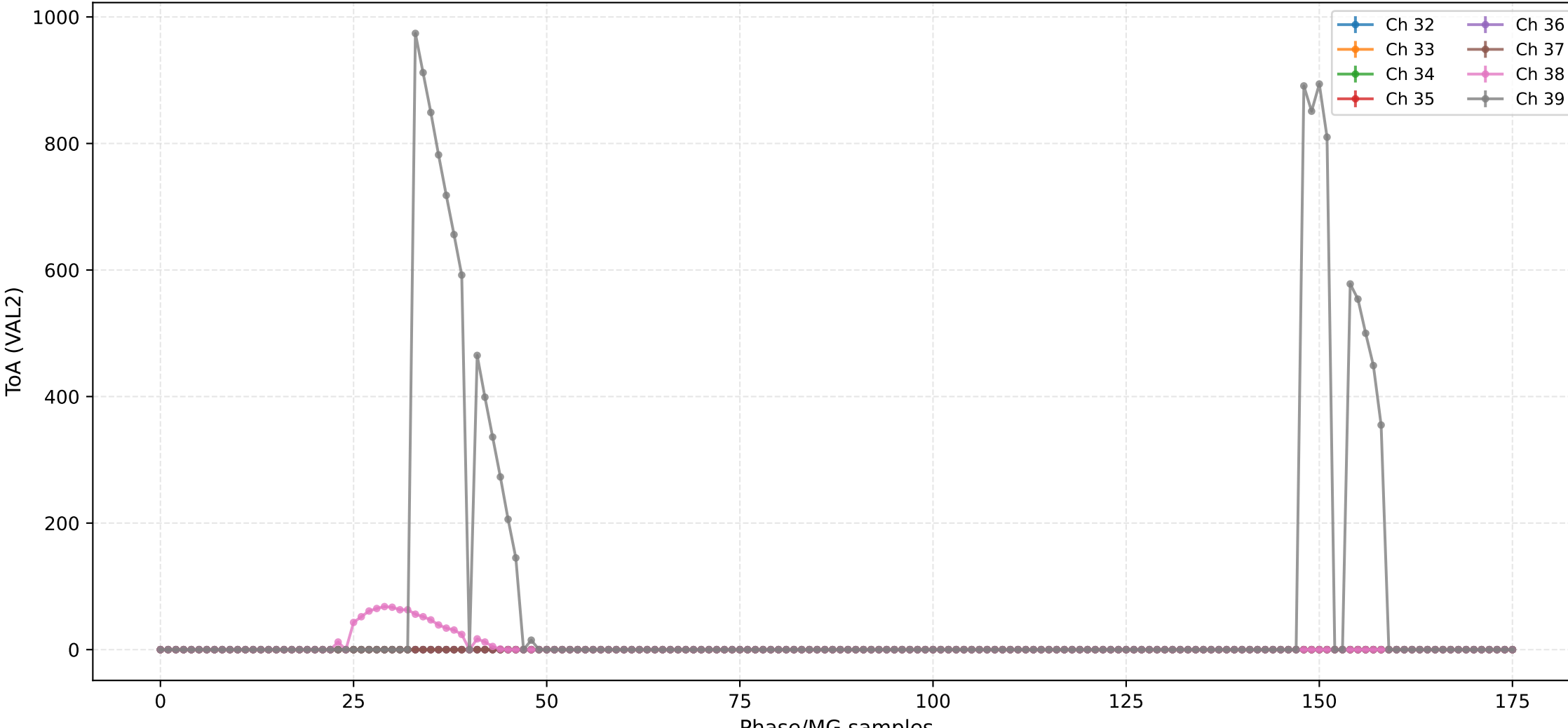
## ToA (VAL2) - Channels 16 to 23



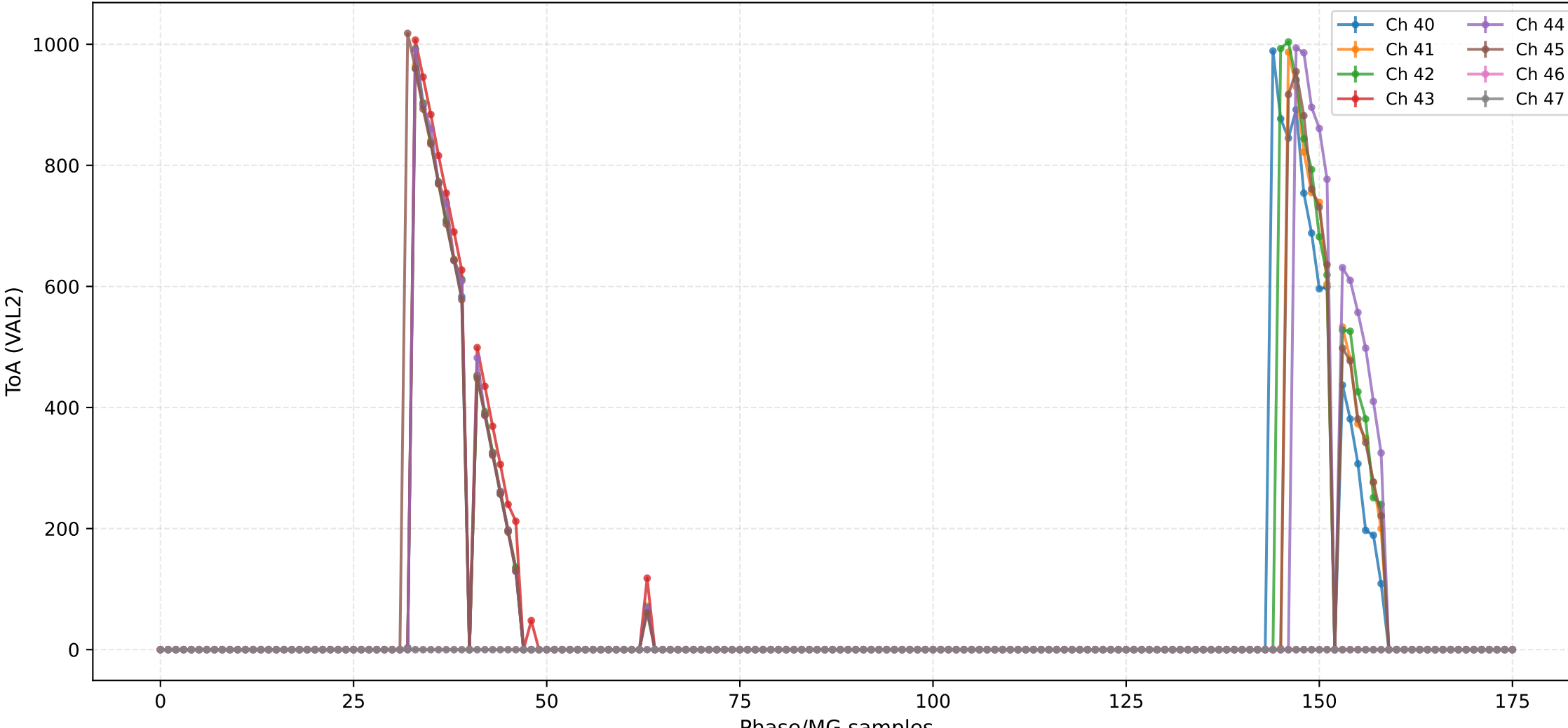
### ToA (VAL2) - Channels 24 to 31



## ToA (VAL2) - Channels 32 to 39



## ToA (VAL2) - Channels 40 to 47



## ToA (VAL2) - Channels 48 to 55



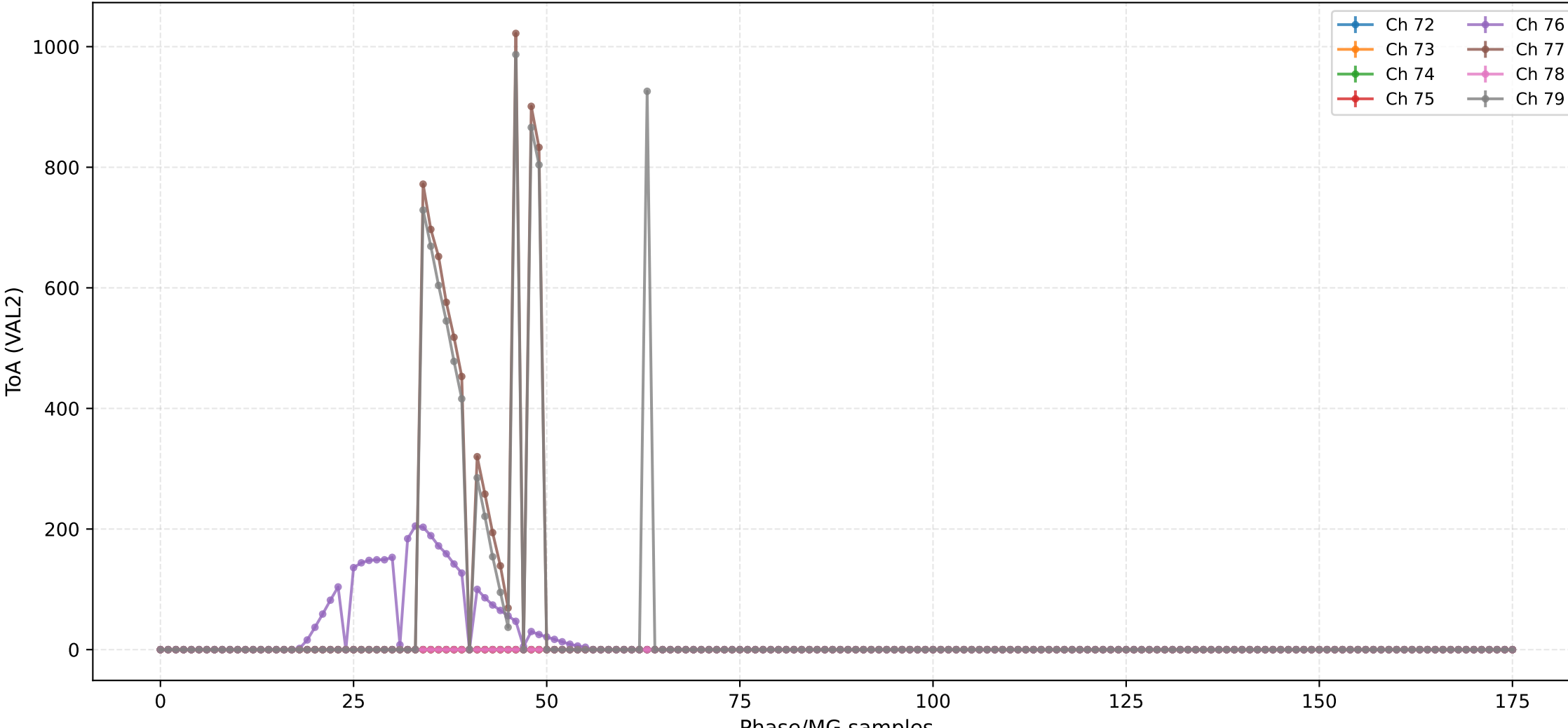
## ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71



## ToA (VAL2) - Channels 72 to 79







## ToA (VAL2) - Channels 88 to 95



ToA (VAL2) - Channels 96 to 103



ToA (VAL2) - Channels 104 to 111







The figure displays a plot of the expectation value of the Pauli matrix  $\sigma_y$  over time for six channels. The x-axis is labeled 'Time' and ranges from 0 to 150. The y-axis is labeled ' $\sigma_y$ ' and ranges from -1 to 1. A legend in the top right corner identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All six channels show a constant value of 0 for the entire duration of the simulation.









## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-12 23:34:46

### Configuration:

- Total ASICs: 2
- Injection DAC: 3300
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 16
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac3300\_mg10\_pack2\_chn16\_val0.csv
- 205\_Injection\_asic2\_injdac3300\_mg10\_pack2\_chn16\_val1.csv
- 205\_Injection\_asic2\_injdac3300\_mg10\_pack2\_chn16\_val2.csv